

PHYSICAL THERAPY PRESCRIPTION

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PATIENT STICKER

DIAGNOSIS (LEFT / RIGHT) CARTILAGE	REPAIR (MICROFRACTURE / O	ATS / ALLOGI	RAFT OATS)
(MEDIAL FEMORAL CONDYLE)	/ LATERAL FEMORAL CONDYLE	/ TROCHLEA	/ PATELLA)

DATE	OF	SURGERY	,			

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PHASE 1 EARLY 0---6 WEEKS

- **Knee brace thru 6 weeks
- **Non---weightbearing with crutches x6 weeks (TTWB ok for patella/trochlea)
- **CPM ~ 3---4 hours daily x6 weeks, start 0---60 degrees post---op, progress to 110 degrees by 6 weeks, and full ROM by 12 weeks post---op.

ROM Exercises: Week 0 --- 6: 0---110 degrees

(goal 90 degrees flexion by week 3, 110 degrees by week 6)

Isometric quad sets and SLR: -----start immediately post---op

-----wear knee brace during SLR

-----may apply e---stim for poor quad function

Pre Progression - Emphasize VMO Strengthening

- Multiple angle isometrics
- ☐ Eccentric closed chain isotonics
- ☐ Concentric closed chain isotonics
- ☐ Eccentric open chain isokinetics (performed in 90---30 deg arc)
- ☐ Concentric open chain isokinetics, submaximal
- ☐ Eccentric open chain isotoinics
- ☐ Concentric open chain isotonics, submaximal
- ☐ Concentric open chain isotonics, maximal
- Gentle multi---directional patella mobilization immediately after surgery
- Massage/deep friction to hamstring insertions, suprapatellar quadriceps, medial/lateral gutters, and infrapatellar regions 2---3 weeks post---op
- Hamstring/adductor/abductor/quadriceps/Achilles stretching

- Whirlpool therapy if available at 2---3 weeks post---op to enhance motion
- >> Stationary bicycle with no resistance once 90 degrees knee flexion obtained (~4 weeks)

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- Anti---inflammatory modalities as needed (US/massage/e---stim)
- Cryotherapy and compression stockings/TEDS for swelling and pain control

PHASE 2 TRANSITIONAL PHASE

>> Continue multi---directional patella mobilization

**Weightbearing status: use bathroom scale to progress as follows:
week 7: PWB 1/3 body weight
week 8: PWB 2/3 body weight
week 9: FWB with crutches
week 10+: crutch, cane, or no device as tolerated
ROM Exercises: continue full AROM and gentle PROM exercises
CPM may be discontinued
☐ Low weight (max 1020lbs.) openchain leg extension and curl
☐ Stationary bicycle with gradual increased tension per level of comfort
☐ Continue quad sets, SLR in brace, leg curl and heel slides
☐ Strengthen quads, hamstrings, and hip abductors/extensors using ankle weights and/or elastic band resistance through full ROM as tolerated
☐ Gentle closedchain terminal knee extension 040 degrees (TKE) permitted starting at 910 weeks as tolerated per weight bearing restriction
Continue multidirectional patella mobilization
Hamstring/adductor/abductor/quadracept/Achilles stretching
Whirlpool therapy if available to enhance motion and quadracept/hamstring muscle control
Estim for VMO/quadracept muscle reeducation/biofeedback as needed
Gentle massage/deep friction to hamstring insertions, suprapatellar quadracepts, medial/lateral gutters, and infrapatellar regions
Activity level should be modified if increased pain, catching, or swelling occurs
PHASE 3: REMODELING PHASE 13 WEEKS+
**Weightbearing status: full weightbearing as tolerated with crutch or cane as needed/pain allows
ROM Exercises: continue full AROM and gentle PROM exercises CPM may be discontinued
Therex
☐ Resisted openchain exercise with = 20lbs to be progressed as tolerated after 6mos</td
☐ Closedchain exercise to promote knee stability and proprioception through full ROM as tolerated
☐ Cycling on level surfaces permitted with gradual increase in tension per level of comfort
☐ Treadmill walking encouraged
☐ Rollerblading permitted at 67 months
- Noncrolading permitted at 0 / months

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- >> Hamstring/adductor/abductor/quadracept/Achilles stretching
- Whirlpool therapy if available to enhance motion and quadracept/hamstring muscle
- control >> E---stim for VMO/quadracept muscle re---education/biofeedback as needed
- Gentle massage/deep friction to hamstring insertions, suprapatellar quadracepts, medial/lateral gutters, and infrapatellar regions
- Activity level should be modified if increased pain, catching, or swelling occurs

**no pivoting sports should be started without MD clearance **no squats, no leg presses allowed

Treatment:	_times per week	Duration:		weeks
Physician's Signature:				
Seth C. Gamradt. MD. A	ttending Orthona	edic Surge	on. USC	